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DUE_DATE_ -> 09/03/97
DOC_TITLE -> LinkWinds:The Application of Computer Graphics Methods to Interactive Science Data Analysis
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MTG_SUBJECT_ -> Geophysics
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CLEAR-NAME-l ->
CLEAR_NUM_2_ ->
CLEAR_DATE_2 ->
CLEAR_NAME_2 ->
NEW_TECH_ -> on
NEWTECH_DESC -> LinkWinds (http://linkwinds.jpl.nasa .gov) is a highly interactive visual data analysis and exploration system designed to rapidly investigate multiple large multivariate and multidisciplinary data sets to detect trends, correlations and anomalies by interactively linking objects on the workstation screen. Its functions and services include 2-dimensional and 3-dimensional graphical displays of data, hard copy of graphical displays and numerical information, interactive color manipulation, animation creation and display, data subsetting at both the input and output, a journal and macro capability, context-sensitive help, and network support for collaborative data analysis.

An integrated UNIX-based multi–application execution environment with a full graphical user interface, LinkWinds has been implemented in the C language and is freely available. Work is underway to build a Java-based tool, called WebWinds, based on the LinkWinds paradigm. WebWinds will feature platform independence (Mac, PC, Unix), secure distributed processing, user extensibility, standardized interfaces and will have an advanced data manipulation capability suitable for data servers. These features will help conserve network bandwidth and provide an analysis environment that can be tailored to match a platform’s capabilities.

PRV_NTR_DESC ->
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